PATENT

Practitioner's Docket No.

944-001.008-1

Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Jan SUUMAKI, Hans KALLIO and Kalle AHMAVAARA

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

Transfer of Optimization Algorithm Parameters During For (title):

Handover of a Mobile Station Between Radio Network

Subsystems

CERTIFICATION UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date Nov. 20, 2000 in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EL 628637054 dressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Margery B. Hood

(type or print name of person mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(New Application Transmittal [4-1]—page 1 of 11)

| . Type of Application |
|---|
| This new application for a(n) |
| (check one applicable item below) |
| Original (nonprovisional) |
| □ Design |
| ☐ Plant |
| WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application. |
| WARNING: Do not use this transmittal for the filing of a provisional application. |
| NOTE: If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION. |
| ☐ Divisional. |
| ☐ Continuation. |
| ☐ Continuation-in-part (C-I-P). |
| 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121) |
| NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. |

§ 112. Each prior application must also be:

(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

(ii) Complete as set forth in § 1.51(b); or

(iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(New Application Transmittal [4-1]—page 2 of 11)

4-4

□ Citations

| When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3). |
|---|
| The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED. |
| s Enclosed |
| uired for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 ign) Application |
| ges of specification |
| ges of claims |
| eets of drawing |
| DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62). |
| entifying indicia, if provided, should include the application number or the title of the invention, entor's name, docket number (if any), and the name and telephone number of a person to call if office is unable to match the drawings to the proper application. This information should be placed the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top the page" 37 C.F.R. § 1.84(c)). |
| (complete the following, if applicable) |
| The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b). |
| formal |
| informal |
| er Papers Enclosed |
| ges of declaration and power of attorney |
| ges of abstract |
| her |
| onal papers enclosed |
| Amendment to claims |
| Cancel in this applications claims before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.) |
| Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.) |
| Preliminary Amendment |
| Information Disclosure Statement (37 C.F.R. § 1.98) |
| Form PTO-1449 (PTO/SB/08A and 08B) |
| |

(Rel.82A—12/99 Pub.605)

| Ц | Dec | aration Biological Deposit |
|--------|--|---|
| | perl | mission Sequence Listing," computer readable and/or amendment aining thereto for biotechnology invention containing nucleotide and/or no acid sequence. |
| | Autl tive | norization of Attorney(s) to Accept and Follow Instructions from Representa- |
| |] Spe | cial Comments |
| | Oth | er |
| 5. Dec | laratio | n or oath (including power of attorney) |
| | A newly the price by all co applica the sign by a sta being to declarat person | executed declaration is not required in a continuation or divisional application provided that it nonprovisional application contained a declaration as required, the application being filed is if fewer than all the inventors named in the prior application, there is no new matter in the ion being filed, and a copy of the executed declaration filed in the prior application (showing lature or an indication thereon that it was signed) is submitted. The copy must be accompanied atternet requesting deletion of the names of person(s) who are not inventors of the application filed. If the declaration in the prior application was filed under § 1.47, then a copy of that the tion must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently dedeclaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)—(3). |
| NOTE: | is direc abbrevi country | ration filed to complete an application must be executed, identify the specification to which it led, identify each inventor by full name including family name and at least one given name, without ation together with any other given name or initial, and the residence, post office address and or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 § 1.63(a)(1)–(4). |
| NOTE: | as pres as pres is that i this pa | ventorship of a nonprovisional application is that inventorship set forth in the oath or declaration cribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration cribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under ragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name set of the inventor or inventors." 37 C.F.R. § 1.41(a)(1). |
| |] End | elosed |
| | Exe | cuted by |
| | | (check all applicable boxes) |
| | | inventor(s). |
| | | legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43. |
| | | joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached. |
| | | ☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee. |
| p | No | t Enclosed. |
| NOTE: | the U.: may b | the filing is a completion in the U.S. of an International Application or where the completion of S. application contains subject matter in addition to the International Application, the application or treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE EW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED. |
| | | Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of all the above named inventor(s). |
| | | (New Application Transmittal [4-1]—page 4 of 11) |
| | | |

FORM 4-1 4-6

| (The declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently). |
|--|
| Showing that the filing is authorized. (not required unless called into question. 37 C.F.R. § 1.41(d)) |
| 6. Inventorship Statement |
| WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted. |
| The inventorship for all the claims in this application are: |
| ☐ The same. |
| or |
| Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made, |
| ☐ is submitted. |
| ☐ will be submitted. |
| 7. Language |
| NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. § 1.52(d). |
| English |
| ☐ Non-English |
| ☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d). |
| 8. Assignment |
| An assignment of the invention to <u>Nokia Mobile Phones Ltd.</u> |
| is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached. |
| 🕱 will follow. |
| NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78). |
| WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64. |

(New Application Transmittal [4-1]—page 5 of 11)

| Country | Appln. No. | | Filed |
|---|--|--|---|
| Country | Appln. No. | | Filed |
| Country | Appln. No. | | Filed |
| rom which priority is claime | ed. | | |
| is (are) attached. | | | |
| will follow. | | | |
| NOTE: The foreign application f declaration. 37 C.F.R. § | | or priority must t | pe referred to in the oath o |
| U.S. application or Intern § 120 is itself entitled to | ign priority for which the applica lational Application from which the priority from a prior foreign appli ICATION TRANSMITTAL WHER | his application cla ication, then com | aims benefit under 35 U.S.C plete item 18 on the ADDEL |
| 10. Fee Calculation (37 C | c.F.R. § 1.16) | | |
| A. Regular application | on | | |
| | CLAIMS AS FILED |) | |
| Number filed | Number Extra | Rate | Basic Fee 37 C.F.R. § 1.16(a) \$690.00 7/0 |
| Fotal Claims (37 C.F.R. § 1.16(c)) | - 20 = -0 - × | \$ 18.00 | -0- |
| Independent Claims (37 C.F.R. § 1.16(b)) | - 3 = -0 - x | \$ %6 .00 | |
| Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d)) | , | 4000.00 | |
| ☐ Amendment can | celling extra claims is end | closed. | |
| ☐ Amendment dele | ting multiple-dependencie | es is enclosed | d . |
| ☐ Fee for extra cla | ims is not being paid at t | this time. | |
| NOTE: If the fees for extra claim | s are not paid on filing they must if f the time period set for respons | be paid or the cla | and Trademark Office in a |
| · | Filing Fee Calculation | | \$ 710.00 |
| B. Design application (\$310.00—37 C. | on | | |
| /+- · · · · · · · · · · · · · · · · · · · | 3 \// | | |
| | Filing Fee Calculation | | \$ |

9. Certified Copy

| C. | | Plant application (\$480.00—37 C.F.R. § 1.16(g)) | |
|-----|-------|---|--|
| | | Filing fee calculation | \$ |
| 11. | Sma | all Entity Statement(s) | |
| | | Statement(s) that this is a filing by a small er is (are) attached. | ntity under 37 C.F.R. § 1.9 and 1.27 |
| WA | RNINC | G: "Status as a small entity must be specifically established the status is available and desired. Status as a small affect any other application or patent, including application or patent, including application or patent in refiling of an application under § 1.53 as a continuation a continued prosecution application under § 1.53(d)), a new determination as to continued entitlement to supplication. A nonprovisional application claiming be 365(c) of a prior application, or a reissue application application or in the patent if the nonprovisional appreference to the statement in the prior application statement in the prior application or in the patent and desired. The payment of the small entity basic statutor for purposes of this section." 37 C.F.R. § 1.28(a)(2). | entity in one application or patent does not oplications or patents which are directly or in which the status has been established. The on, division, or continuation-in-part (including or the filing of a reissue application requires mall entity status for the continuing or reissue mefit under 35 U.S.C. § 119(e), 120, 121, or in may rely on a statement filed in the prior dication or the reissue application includes a or in the patent or includes a copy of the ad status as a small entity is still proper and by filing fee will be treated as such a reference |
| WA | RNING | IG: "Small entity status must not be established when the can unequivocally make the required self-certification 1996 (emphasis added). | person or persons signing the statement on." M.P.E.P., § 509.03, 6th ed., rev. 2, July |
| | | (complete the following, if a | |
| | | • | |
| | | /, filed on | |
| | | is being claimed for this application under | |
| | | 35 U.S.C. § ☐ 119(e), ☐ 120, | |
| | | ☐ 120, ☐ 121, | |
| | | □ 365(c), | |
| | | and which status as a small entity is still | proper and desired. |
| | | ☐ A copy of the statement in the prior | application is included. |
| | | Filing Fee Calculation (50% of A, B or | C above) |
| | | \$ | |
| NC | á | Any excess of the full fee paid will be refunded if small en are filed within 2 months of the date of timely paymen extendable under § 1.136. 37 C.F.R. § 1.28(a). | titiy status is established and a refund request t of a full fee. The two-month period is not |
| 12. | Red | quest for International-Type Search (37 C.f | F.R. § 1.104(d)) |
| | | (complete, if applical | ole) |
| | | Please prepare an international-type search when national examination on the merits t | |

| | | ment Bong Made at This Time | | |
|-------|-----------------------------|---|--|-----------|
| | × | No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. subsequently.) | § 1.16(e) can be pai | đ |
| |] End | closed | | |
| | | Filing fee | \$ | _ |
| | | Recording assignment (\$40.00; 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".) | \$ | |
| | | Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached (\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i)) | \$ | |
| | | For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k)) | \$ | |
| | | Processing and retention fee (\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l)) | \$ | |
| | | Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e)) | \$ | |
| NOTE: | failing 37 C.F either | R. § 1.21(I) establishes a fee for processing and retaining any application pursuant to 37 C.F.R. § 1.53(f) and to C.R. § 1.53 and 1.78(a)(1), indicate that in order to obtain the benthe basic filing fee must be paid, or the processing and retention 1 year from notification under § 53(f). | this, as well as the changes nefit of a prior U.S. applicatio | to on, |
| | | Total fees enclosed | \$ | |
| 14. M | ethod | of Payment of Fees | | |
| [| | eck in the amount of \$ | _ | |
| [| \$_ | arge Account No. | _ in the amount | of |
| | | duplicate of this transmittal is attached. | | |
| NOTE: | Fees s § 1.22 | thould be itemized in such a manner that it is clear for which purpo (b). | ose the fees are paid. 37 C.F | .R. |

(New Application Transmittal [4-1]-page 8 of 11)

15. Authorization to Charge Additional Fees

| WARNIN | VG: | If no | fees are to be paid on filing, the following items should not be completed. |
|--------|---------------------------------|--|---|
| WARNIN | VG: | | rately count claims, especially multiple dependent claims, to avoid unexpected high charges, ra claim charges are authorized. |
| | | y this | commissioner is hereby authorized to charge the following additional fees is paper and during the entire pendency of this application to Account No. 3-0442: |
| | | 3 | 7 C.F.R. § 1.16(a), (f) or (g) (filing fees) |
| | | 3 | 7 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims) |
| NOTE: | mus set to a | t only for res uthoriz | dditional fees for excess or multiple dependent claims not paid on filing or on later presentation be paid or these claims cancelled by amendment prior to the expiration of the time period ponse by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not the PTO to charge additional claim fees, except possibly when dealing with amendments action. |
| | [| | 7 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration a date later than the filing date of the application) |
| | |] 3 | 7 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)). |
| | [|] 3 | 7 C.F.R. § 1.17 (application processing fees) |
| NOTE: | or for as in character con an e | uture n ncorpo rge all structi extensi .17(a) | itten request may be submitted in an application that is an authorization to treat any concurrent teply, requiring a petition for an extension of time under this paragraph for its timely submission, prating a petition for extension of time for the appropriate length of time. An authorization to required fees, fees under § 1.17, or all required extension of time fees will be treated as a very petition for an extension of time in any concurrent or future reply requiring a petition for ion of time under this paragraph for its timely submission. Submission of the fee set forth in will also be treated as a constructive petition for an extension of time in any concurrent reply a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. (3). |
| | [| | 7 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b)) |
| NOTE: | of a | Notic | authorization to charge the issue fee to a deposit account has been filed before the mailing to of Allowance, the issue fee will be automatically charged to the deposit account at the time the notice of allowance. 37 C.F.R. § 1.311(b). |
| NOTE: | enti fee. eve | ity stat " n if th | § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small us must be filed in the application prior to paying, or at the time of paying, the issue From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made e fee is paid as "other than a small entity" and (b) no notification is required if the change ther small entity. |

(New Application Transmittal [4-1]—page 9 of 11)

| 10. | 1112u | uctions as y | erpayment | |
|-----|-------|------------------|---|--------------|
| NO | 8 | reasonable time, | ty-five dollars or less will not be returned unless iffically requent, nor will the payer be notified of such amounts; amounts over twenty-five theck or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26 | o dollars ma |
| | | Credit Acco | ount No | |
| | | Refund | | |

Reg. No. 31,391

Tel. No. (203 261-1234

Customer No. 004955

Francis J. Maquire

SIGNATURE OF PRACTITIONER

(type or print name of attorney)

WARE, FRESSOLA, VAN DER SLUYS & ADOLPHSON L

P.O. Address

755 Main Street, PO Box 224

Monroe Ct 06468 (New Application Transmittal [4-1]—page 10 of 11)

FORM 4-1 4-12

(Rel.82A—12/99 Pub.605)

| X | incorp | poration by reference of added pages |
|----------|-----------------|---|
| | pr sta th | neck the following item if the application in this transmittal claims the benefit of ior U.S. application(s) (including an international application entering the U.S. age as a continuation, divisional or C-I-P application) and complete and attache ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF IOR U.S. APPLICATION(S) CLAIMED) |
| | Ø | Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed Number of pages added |
| | | Plus Added Pages for Papers Referred to in Item 4 Above |
| | | Number of pages added |
| | | Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application. Number of pages added |
| | П | Plus "Assignment Cover Letter Accompanying New Application" |
| | | Number of pages added |
| 1 | State | ment Where No Further Pages Added |
| | | no further pages form a part of this Transmittal, then end this Transmittal with is page and check the following item) |

This transmittal ends with this page.

PATENT

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: See 37 C.F.R. § 1.78.

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

Amend the specification by inserting, before the first line, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number)." 37 C.F.R. § 1.78(a)(4).

"This application claims the benefit of U.S. Provisional Application(s) No(s).:

| APPLICATION NO(5).: | FILING DATE |
|---------------------|----------------|
| 60 / 167,924 | Nov. 29, 1999* |
| | |
| / | |

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

[4-1.1]—page 1 of 5)

| R. | 35 | U.S.C. | 88 | 120. | 121 | and | 365/ | ٠, |
|----|--------|--------|----|------|-----|------|------|----|
| v. | \sim | 0.0.0. | ~~ | 120, | | ullu | ~~~ | • |

| | applica first ser it by ap numbe | ations designating the Unitence of the specification number (consider and international filintes to other related ap | Inited States of Amerion following the title a resisting of the series cong date and indicating | ca must contain or l reference to each sud de and serial numb the relationship of | al applications or internation be amended to contain in the chiprion application, identifying or international application the applications Crosser." (See § 1.14(a)). 37 C.F. | e g vn s- |
|-------------|--|---|---|---|---|---|
| |] "Th | nis application is a | | | | |
| | | continuation | | | | |
| | | continuation-in-p | art | | | |
| | | divisional | | | | |
| C | of cope | ending application(| (s) | | | |
| |] app | plication number 0 | / | f | iled on | ," |
| |] Inte | ernational Applicati | ion | | filed on | |
| | | | and whic | h designated th | e U.S." | |
| NOTE: | | roper reference to a prion of the filing of | | | J.S. national phase is the U. d the U.S. | S. |
| NOTE: | the filin | | • | • | International Application, the or other reasons then the fili | |
| NOTE: | | eadline for entering the Notice of April 28, 198 | | | ional application was clarific | d |
| | month Prelimi and un which from th to the interna 20 or 3 States as pare | from the priority date if inary Examination has be ntil the 32nd month from elected the United State priority date, provide Patent and Trademark ational application has a month period respection of 30 months from the state of the priority date. | the United States has been filed prior to the of m the priority date if a stes of America has be ed that a copy of the control of the office of the office of the office stively, the international the priority date respect d paragraph (i) of § 1.4 | been designated are expiration of the 19th Demand for Interna- ten filed prior to the international applica- or 30 month period ed to the Patent and application become tivley. These periods 95. A continuing app | In to be pending until the 221 and no Demand for Internation in month from the priority datational Preliminary Examination expiration of the 19th monation has been communicated respectively. If a copy of the different transport of the United Internation under 35 U.S.C. 365 application." | eal te on th ed ne ne ed ed |
| |] "Th | ne nonprovisional a | · · | | • • • | |
| | | | | , filed | , claims the benefit | of |
| | 0.8 | Provisional Appl | ication(s) No(s).: | | | |
| APPLIC | OITA | N NO(S).: | | | FILING DATE | |
| | - / | | | | | ** |
| | _ / | | | | | ** |
| | _/ | | | | | ** |
| | | nere more than one one one sentence. | e reference is mad | le above, please | e combine all reference | : S |

NOTE: "Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application

18. Relate Back—35 U.S.C. § 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

| | | Country | Appln. no. | Filed on | |
|------------------------------------|-------|--|--|---|---|
| The certified copy(ies) has (have) | | | | | |
| | | been filed on | , in prior application 0 | /, which | was |
| | | is (are) attached. | | | |
| WAF | RNING | the International Bureau application in the contapplication communica a U.S. serial number unlessage is not entered. The prosecution of a continuous comments from the foldot request transfer, retrieventer and make a record the priority documents. | e priority application that may have may not be relied on without any ne inulng application. This is so becied by the International Bureau is pass the national stage is entered. Such serefore, such certified copies may using application. An alternative wou lers and transfer them to the continuative the folders, make suitable record of such copies in the Continuing April 10 folders of international application on. Notice of April 28, 1987 (1075) | ed to file a certified copy of the pause the certified copy of the polaced in a folder and is not asset folders are disposed of if the not be available if needed latered be to physically remove the paing application. The resources remotations, transfer the certified copplication are substantial. According that have not entered the nations. | priority priority signed ational in the priority quired copies, dingly, |
| 19. | Ma | intenance of Cope | ndency of Prior Applica | ition | |
| NOT | re | | copy of the petition filed in the pri papers constituting the filing of the 3. 27). | | |
| A. | | Extension of time in | prior application | | |
| | (Thi: | | leted and the papers filed in discrimination in the prior application | | |
| | | A petition, fee and reuntil | esponse extends the term in | the pending prior applic | ation |
| | | ☐ A copy of the p | etition filed in prior applicat | ion is attached. | |
| B. | | Conditional Petition | for Extension of Time in Pri | or Application | |
| | | (complete th | is item, if previous item not | applicable) | |
| | | A conditional petitio application. | n for extension of time is b | eing filed in the pending | prior |
| | | ☐ A copy of the c | onditional petition filed in th | e prior application is attac | ched. |
| | | | | | |
| | | | | | |

20. Further Inventorship Statement Where Benefit of Fior Application(s) Claimed

(complete applicable item (a), (b) and/or (c) below)

| (a) | This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are | | | |
|-----|---|---|--|--|
| | | the same. | | |
| | | less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted: | | |
| | | (type name(s) of inventor(s) to be deleted) | | |
| (b) | This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are | | | |
| | | the same. | | |
| | | the following additional inventor(s) have been added: | | |
| | | (type name(s) of inventor(s) to be added) | | |
| (c) | The | inventorship for all the claims in this application are | | |
| | | the same. | | |
| | | not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made | | |
| | | ☐ is submitted. | | |
| | | ☐ will be submitted. | | |

U.S.C. § 120.

| 21. | Ab | andonment of Prior Application (if applicable) |
|--------|------|---|
| | | Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application. |
| NOTE | 1 | According to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-in- part application is a proper response with respect to a petition for extension of time or a petition to revive and should include the express abandonment of the prior application conditioned upon the granting of the petition and the granting of a filing date to the continuing application. |
| | | tition for Suspension of Prosecution for the Time Necessary to e an Amendment |
| WAR | NIN | "The claims of a new application may be finally rejected in the first Office action in those situations where (A) the new application is a continuing application of, or a substitute for, an earlier application, and (B) all the claims of the new application (1) are drawn to the same invention claimed in the earlier application, and (2) would have been properly finally rejected on the grounds of art of record in the next Office action if they had been entered in the earlier application." M.P.E.P., § 706.07(b), 7th ed. |
| NOT | | Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) it may be desirable to file a petition for suspension of prosecution for the time necessary. |
| | | (check the next item, if applicable) |
| | | There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently) |
| 23. | Sn | nall Entity (37 C.F.R. § 1.28(a)) |
| | | Applicant has established small entity status by the filing of a statement in parent application / on |
| | | ☐ A copy of the statement previously filed is included. |
| WAF | RNIN | IG: See 37 C.F.R. § 1.28(a). |
| WAF | RNIN | IG: "Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P., § 509.03, 7th ed. (emphasis added). |
| 24. | N | OTIFICATION IN PARENT APPLICATION OF THIS FILING |
| | | A notification of the filing of this (check one of the following) |
| | | ☐ continuation |
| | | ☐ continuation-in-part |
| | | ☐ divisional |
| is bei | ing | filed in the parent application, from which this application claims priority under 35 |

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed [4-1.1]—page 5 of 5)